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Development of a Whirl Resistant Bit

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### Development of a whirl-resistant bit

 TM Warren, JF Brett, LA Sinor - SPE (Society of Petroleum Engineers) Drilling Engineering, 1990 - [osti.gov](#)

 ... Title, **Development of a whirl-resistant bit**. Creator/Author, Warren, TM ; Brett,

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### Rotary drill bits

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JM Clegg - US Patent 5,186,268, 1993 - Google Patents

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### Drill bit with vibration stabilizers

CW Keith - US Patent 5,090,492, 1992 - Google Patents

... describe the phenomena. See SPE Paper #19572 by TM WARREN et al entitled:

**"Development of a Whirl-Resistant Bit"**. The only viable ...

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### [cITATION] Development of Whirl Resistant PDC Bits

RI Clayton, BS Lvie - 1994 - SPE

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### Wear characteristics of PDC pin and hybrid core bits in rock drilling

A Ersoy, MD Walter - Wear, 1995 - Elsevier

 ... is steady state wear that is normally associated with the **development** of uniform ...

 This may be due to two causes: firstly the pin **bit** is **resistant** to abrasive ...

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### [PDF] •On the Cutting Edge

A Besoon, B Burr, S Dillard, E Drake, B Lvie, C ... - Oilfield Review, 2000 - slb.com

 ... Research and **development** results in better reliability, advanced ... The results are

 wear- and erosion-**resistant** inserts for ... hard rocks require more **bit** weight and ...

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**[PDF] •Putting a Damper on Drilling's Bad Vibration**

S. Jardine, L. Malone, M. Sheppard · Oil Field Review, 1994 · sib.com

... 6. Warren TM, Brett JF and Sinor LA: "**Development of a Whirl-Resistant Bit**," SPE Drilling Engineering 5 (December 1990): 267-274. ...

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**The Application of Advanced PDC Concepts Proves Effective in South Texas**

JS Dahlem, RL Baxter, KE Dunn, RW Arfele, MG Hicks · SPE Drilling and Completion, 1996 · oti.gov

... The goal of most PDC manufacturers, and the subject of this paper, is **development** of a better-performing, **whirl-resistant** PDC bit design. ...

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Key authors: [T Warren](#) · [J Brett](#) · [L Sinor](#) · [C Keith](#) · [J Clegg](#)

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